COLLEGE OF ENGINEERING

Bachelor of Science, Construction Engineering Four-Year Academic Map 2023-2024

	Semester 1 Fall			Semester 2 Spring			Total
YEAR 1	ENGI 1100	Introduction to Engineering	1	CHEM 1312	Fundamentals of Chemistry 2*	3	
	CHEM 1311	Fundamentals of Chemistry*	3	CHEM 1112	Fundamentals of Chemistry 2 Lab	1	
	CHEM 1111	Fundamentals of Chemistry Lab	1	ENGI 1331	Computing for Engineers	3	
	ENGL 1301	First Year Writing I*	3	ENGL 1302	First Year Writing II*	3	
	MATH 2413	Calculus I*	4	MATH 2414	Calculus II*	4	
	GOVT 2305	US & Texas Constitution and Politics *	3	PHYS 2325	University Physics	3	
	Semester Hours		15	Semester Hours		17	32
	Semester 1 Fall			Semester 2 Spring			Total
YEAR 2	INDE 2333	Engineering Statistics I	3	CIVE 2332	Mechanics of Solids	3	
	ENGR 2301	Mechanics I	3	CNE 2211	Construction Engineering Fundamentals	2	
	MATH 2415	Calculus III	4	MECE 3336	Mechanics II	3	
	GOVT 2306	US Government *	3	ENGI 2304	Technical Communications	3	
	PHYS 2326	University Physics II	3	MATH 3321	Engineering Mathematics	3	
				CORE	Social & Behavioral Science*	3	
	Semester Hour	rs .	16	Semester Hour	S	17	33
	Semester 1 Fall			Semester 2 Spring			Total
	CNE 3311	Construction Engineering	3	CNE 3301	Construction Safety Engineering	3	
	0.12 0022		_	CIVE 3301	construction safety Engineering	_	
		Methods and Cost Estimating			construction surery Engineering		
	CNE 3310		3	CIVE 4363	Concrete Design	3	
R 3		Methods and Cost Estimating Construction Engineering Project					
:AR 3	CNE 3310	Methods and Cost Estimating Construction Engineering Project Management	3	CIVE 4363	Concrete Design Legal Aspects of Construction	3	
YEAR 3	CNE 3310 CIVE 3332	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials	3	CIVE 4363 CNE 3322	Concrete Design Legal Aspects of Construction Engineering	3	
YEAR 3	CNE 3310 CIVE 3332 CIVE 3337	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis	3 3	CIVE 4363 CNE 3322 CNE 3333	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling	3 3	
YEAR 3	CNE 3310 CIVE 3332 CIVE 3337 CIVE 3339	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying	3 3 3 3	CIVE 4363 CNE 3322 CNE 3333	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I	3 3	33
YEAR 3	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying	3 3 3 3 3	CIVE 4363 CNE 3322 CNE 3333 INDE 3333 Semester Hour	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I	3 3 3 3	
YEAR 3	CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying s Fall Smart and Sustainable Urban	3 3 3 3 3	CIVE 4363 CNE 3322 CNE 3333 INDE 3333	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I s Spring Construction Engineering Capstone	3 3 3 3	33 Total
YEAR	CNE 3310 CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying ss	3 3 3 3 18	CIVE 4363 CNE 3322 CNE 3333 INDE 3333 Semester Hour	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I s Spring Construction Engineering Capstone Design Construction Engineering Best	3 3 3 3	
YEAR	CNE 3310 CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4321	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying s Fall Smart and Sustainable Urban Infrastructure	3 3 3 3 18	CIVE 4363 CNE 3322 CNE 3333 INDE 3333 Semester Hour Semester 2 : CNE 4312	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I s Spring Construction Engineering Capstone Design	3 3 3 3 15	
YEAR	CNE 3310 CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4321 CIVE 3331	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying TS Fall Smart and Sustainable Urban Infrastructure Environmental Engineering Health Care Infrastructure	3 3 3 3 18	CIVE 4363 CNE 3322 CNE 3333 INDE 3333 Semester Hour Semester 2 : CNE 4312 CNE 4322	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I S Spring Construction Engineering Capstone Design Construction Engineering Best Practices	3 3 3 3 15	
YEAR 4 YEAR 3	CNE 3310 CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4321 CIVE 3331 CNE 4323	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying S Fall Smart and Sustainable Urban Infrastructure Environmental Engineering Health Care Infrastructure Design and Construction	3 3 3 3 18	CIVE 4363 CNE 3322 CNE 3333 INDE 3333 Semester Hour Semester 2 : CNE 4312 CNE 4322 CNE 4325	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I S Spring Construction Engineering Capstone Design Construction Engineering Best Practices Utility System Construction	3 3 3 3 15	
YEAR	CNE 3310 CIVE 3332 CIVE 3337 CIVE 3339 CIVE 3380 Semester Hour Semester 1 CNE 4321 CIVE 3331 CNE 4323 HIST 1301	Methods and Cost Estimating Construction Engineering Project Management Engineering Materials Structural Analysis Geotechnical Engineering Surveying s Fall Smart and Sustainable Urban Infrastructure Environmental Engineering Health Care Infrastructure Design and Construction The United States to 1877* Language, Philosophy & Culture*	3 3 3 3 18 3 3 3	CIVE 4363 CNE 3322 CNE 3333 INDE 3333 Semester Hour Semester 2: CNE 4312 CNE 4322 CNE 4325 HIST 1302	Concrete Design Legal Aspects of Construction Engineering Building Information Modeling Engineering Economy I s Spring Construction Engineering Capstone Design Construction Engineering Best Practices Utility System Construction The United States Since 1877* Creative Arts*	3 3 3 3 15 3 3	

^{*}State of Texas Core Curriculum

All Major Courses will be taken out of the UH at Katy building Students should meet with their academic advisor to formulate their own plan.